Atty. Docket No.: PG3119US2

In the Claims:

Please amend the claims as follows. A marked up version of the amended claims showing changes corresponding to the claim amendments is attached hereto and is captioned: Amended Claims - Marked Up Version.

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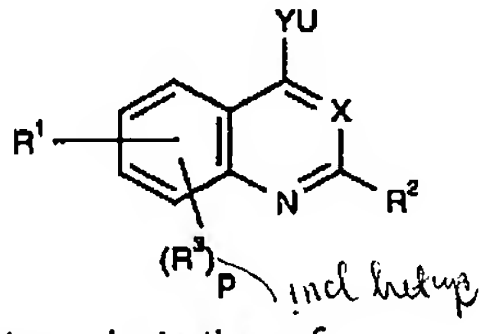
1. (Currently amended) A method of treating a susceptible cancer in a human or animal subject, comprising administering to said subject an effective amount of a compound of formula (I):



(I)

or a salt or solvate thereof;

wherein X is N or CH;

Y is a group $W(CH_2)$, $(CH_2)W$, or W, in which W is O, $S(O)_m$ wherein m is 0, 1 or 2, or NR^a wherein R^a is hydrogen or a C_{1-8} alkyl group;

R^1 represents a 5- or 6-membered heterocyclic ring containing 1 to 4 heteroatoms selected from N, O or $S(O)_m$, wherein m is as defined above, with the provisos that the ring does not have two adjacent O or $S(O)_m$ atoms and that where the ring has only N as heteroatom(s) the ring is C-linked to the quinazoline or quinoline ring, R^1 being optionally substituted by one or more R^3 groups;

each R^3 is independently selected from the group consisting of amino, hydrogen, halogen, hydroxy, nitro, carboxy, formyl, cyano, trifluoromethyl, trifluoromethoxy, carbamoyl,

ureido, guanidino, C_{1-8} alkyl, C_{1-8} alkoxy, C_{3-8} cycloalkoxyl, C_{4-8} alkylcycloalkoxy, C_{1-8} alkylcarbonyl, C_{1-8} alkoxycarbonyl, N-C_{1-4} alkylcarbamoyl, N,N-di-[C_{1-4} alkyl]carbamoyl, hydroxyamino, C_{1-4} alkoxyamino, C_{2-4} alkanoyloxyamino, C_{1-4} alkylamino, di[C_{1-4} alkyl]amino, di-[C_{1-4} alkyl]amino-C_{1-4} alkylene-(C_{1-4} alkyl)amino, C_{1-4} alkylamino-C_{1-4} alkylene-(C_{1-4} alkyl)amino, hydroxy-C_{1-4} alkylene-(C_{1-4} alkyl)amino, phenyl, phenoxy, 4-pyridon-1-yl, pyrrolidin-1-yl, imidazol-1-yl, piperidino, morpholino, thiomorpholino, thiomorpholino-1-oxide, thiomorpholino-1,1-dioxide, piperazin-1-yl, 4-C_{1-4} alkylpiperazin-1-yl, dioxolanyl, C_{1-8} alkylthio, arylthio, C_{1-4} alkylsulphinyl, C_{1-4} alkylsulphonyl, arylsulphonyl, arylsulphinyl, halogeno-C_{1-4} alkyl, hydroxy-C_{1-4} alkyl, C_{2-4} alkanoyloxy-C_{1-4} alkyl, C_{1-4} alkoxy-C_{1-4} alkyl, carboxy-C_{1-4} alkyl, formyl-C_{1-4} alkyl, C_{1-4} alkoxycarbonyl-C_{1-4}-alkyl, carbamoyl-C_{1-4} alkyl, N-C_{1-4} alkylcarbamoyl-C_{1-4}alkyl, N,N-di-[C_{1-4} alkyl]carbamoyl-C_{1-4}alkyl, amino-C_{1-4} alkyl, C_{1-4} alkylamino-C_{1-4} alkyl, di-[C_{1-4} alkyl]amino-C_{1-4} alkyl, phenyl-C_{1-4} alkyl, 4-pyridon-1-yl-C_{1-4} alkyl, pyrrolidin-1-yl-C_{1-4} alkyl, imidazol-1-yl-C_{1-4} alkyl, piperidino-C_{1-4} alkyl, morpholino-C_{1-4} alkyl, thiomorpholino-C_{1-4} alkyl, thiomorpholino-1-oxide-C_{1-4}alkyl, thiomorpholino-1,1-dioxide-C_{1-4}alkyl, piperazin-1-yl-C_{1-4}alkyl, 4-C_{1-4} alkylpiperazin-1-yl-C_{1-4} alkyl, hydroxy-C_{2-4} alkoxy-C_{1-4} alkyl, C_{1-4} alkoxy-C_{2-4} alkoxy-C_{1-4} alkyl, hydroxy-C_{2-4} alkylamino-C_{1-4} alkyl, C_{1-4} alkoxy-C_{2-4} alkylamino-C_{1-4} alkyl, C_{1-4} alkylthio-C_{1-4} alkyl, C_{1-4} alkylsulphinyl-C_{1-4} alkyl, C_{1-4} alkylsulphonyl-C_{1-4} alkyl, hydroxy-C_{2-4} alkylthio-C_{1-4} alkyl, C_{1-4} alkoxy-C_{2-4} alkylthio-C_{1-4} alkyl, phenoxy-C_{1-4} alkyl, anilino-C_{1-4} alkyl, phenylthio-C_{1-4} alkyl, cyano-C_{1-4} alkyl, halogeno-C_{2-4} alkoxy, hydroxy-C_{2-4} alkoxy, C_{2-4} alkanoyloxy-C_{2-4} alkoxy, C_{1-4} alkoxy-C_{2-4} alkoxy, carboxy-C_{1-4} alkoxy, formyl-C_{1-4} alkoxy, C_{1-4} alkoxycarbonyl-C_{1-4} alkoxy, carbamoyl-C_{1-4} alkoxy, N-C_{1-4} alkylcarbamoyl-C_{1-4} alkoxy, N,N-di-[C_{1-4} alkyl]carbamoyl-C_{1-4} alkoxy, amino-C_{2-4} alkoxy, C_{1-4} alkylamino-C_{2-4} alkoxy, di-[C_{1-4} alkyl]amino-C_{2-4} alkoxy, di-[C_{1-4} alkyl-C_{2-4} alkoxy]amino-C_{2-4} alkoxy, C_{2-4}

alkanoyloxy, hydroxy-C_{2-4} alkanoyloxy, C_{1-4}alkoxy-C_{2-4} alkanoyloxy, phenyl-C_{1-4} alkoxy, phenoxy-C_{2-4} alkoxy, anilino-C_{2-4} alkoxy, phenylthio-C_{2-4} alkoxy, 4-pyridon-1-yl-C_{2-4} alkoxy, piperidino-C_{2-4} alkoxy, morpholino-C_{2-4} alkoxy, thiomorpholino-C_{2-4} alkoxy, thiomorpholino-1-oxide-C_{2-4} alkoxy, thiomorpholino-1,1-dioxide-C_{2-4} alkoxy, piperazin-1-yl-C_{2-4} alkoxy, 4-C_{1-4} alkylpiperazin-1-yl-C_{2-4} alkoxy, pyrrolidin-1-yl-C_{2-4} alkoxy, imidazol-1-yl-C_{2-4} alkoxy, halogeno-C_{2-4} alkylamino, hydroxy-C_{2-4} alkylamino, C_{2-4} alkanoyloxy-C_{2-4} alkylamino, C_{1-4} alkoxy-C_{2-4} alkylamino, carboxy-C_{1-4} alkylamino, C_{1-4} alkoxycarbonyl-C_{1-4} alkylamino, carbamoyl-C_{1-4} alkylamino, N-C_{1-4} alkylcarbamoyl-C_{1-4} alkylamino, N,N-di-[C_{1-4} alkyl]carbamoyl-C_{1-4} alkylamino, amino-C_{2-4} alkylamino, C_{1-4} alkylamino-C_{2-4} alkylamino, di-[C_{1-4}alkyl]amino-C_{2-4} alkylamino, phenyl-C_{1-4} alkylamino, phenoxy-C_{2-4} alkylamino, anilino-C_{2-4} alkylamino, 4-pyridon-1-yl- C_{2-4} alkylamino, pyrrolidin-1-yl-C_{2-4} alkylamino, imidazol-1-yl-C_{2-4} alkylamino, piperidino-C_{2-4} alkylamino, morpholino-C_{2-4} alkylamino, thiomorpholino-C_{2-4} alkylamino, thiomorpholino-1-oxide-C_{2-4} alkylamino, thiomorpholino-1,1-dioxide-C_{2-4} alkylamino, piperazin-1-yl-C_{2-4}alkylamino, 4-(C_{1-4}alkyl)piperazin-1-yl-C_{2-4}alkylamino, phenylthio-C_{2-4} alkylamino, C_{2-4} alkanoylamino, C_{1-4} alkoxycarbonylamino, C_{1-4} alkylsulphonylamino, C_{1-4} alkylsulphinylamino, benzamido, benzenesulphonamido, 3-phenylureido, 2-oxopyrrolidin-1-yl, 2,5-dioxopyrrolidin-1-yl, halogeno-C_{2-4} alkanoylamino, hydroxy-C_{2-4} alkanoylamino, hydroxy-C_{2-4} alkanoyl-(C_{1-4} alkyl)-amino, C_{1-4} alkoxy-C_{2-4} alkanoylamino, carboxy-C_{2-4} alkanoylamino, C_{1-4} alkoxycarbonyl-C_{2-4} alkanoylamino, carbamoyl-C_{2-4} alkanoylamino, N-C_{1-4} alkylcarbamoyl-C_{2-4} alkanoylamino, N,N-di-[C_{1-4} alkyl]carbamoyl-C_{2-4} alkanoylamino, amino-C_{2-4} alkanoylamino, C_{1-4} alkylamino-C_{2-4} alkanoylamino or di-[C_{1-4} alkyl]amino-C_{2-4} alkanoylamino; and wherein said benzamido or benzenesulphonamido substituent or any anilino, phenoxy or phenyl group on a R^3 substituent may optionally have one or two halogeno, C_{1-4} alkyl or C_{1-4} alkoxy substituents; and wherein any

substituent having a heterocyclic ring may optionally have one or two halogeno, C_{1-4} alkyl or C_{1-4} alkoxy substituents on said ring; and wherein any substituent having a heterocyclic ring may optionally have one or two oxo or thioxo substituents on said ring;

or R^3 represents a group selected from M^1-M^2-M^3-M^4, M^1-M^5 or M^1-M^2-$M^{3'}$-M^6

wherein

M^1 represents a C_{1-4} alkyl group, wherein optionally a CH_2 group is replaced by a CO group;

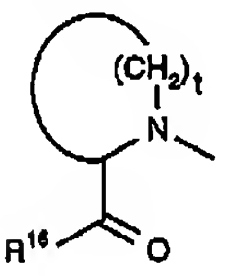
M^2 represents NR^{12} or $CR^{12}R^{13}$, in which R^{12} and R^{13} each independently represent H or C_{1-4} alkyl;

M^3 represents a C_{1-4} alkyl group;

$M^{3'}$ represents a C_{1-4} alkyl group or is absent;

M^4 represents CN, $NR^{12}S(O)_mR^{13}$, $S(O)_mNR^{14}R^{15}$, $CONR^{14}R^{15}$, $S(O)_mR^{13}$ or CO_2R^{13}, in which R^{12}, R^{13} and m are as defined above and R^{14} and R^{15} each independently represent H or C_{1-4} alkyl, or R^{14} and R^{15} together with the nitrogen atom to which they are attached form a 5-or 6-membered ring optionally containing 1 or 2 additional heteroatoms selected from N, O or $S(O)_m$ in which ring any nitrogen atom present may optionally be substituted with a C_{1-4} alkyl group, and which ring may optionally have one or two oxo or thioxo substituents;

M^5 represents the group $NR^{14}R^{15}$, wherein R^{14} and R^{15} are as defined above, or M^5 represents the group



in which t represents 2 to 4 and R^{16} represents OH, OC_{1-4} alkyl or $NR^{14}R^{15}$; and

M^6 represents a C_{3-6} cycloalkyl group, the group $NR^{14}R^{15}$, wherein R^{14} and R^{15} are as defined above, or a 5- or 6-membered heterocyclic ring system containing 1 to 4 heteroatoms selected from N, O or S;

and p is 0 to 3; or when p is 2 or 3, two adjacent R^3 groups together form an optionally substituted methylenedioxy or ethylenedioxy group;

R^2 is selected from the group consisting of hydrogen, halogen, trifluoromethyl, C_{1-4} alkyl and C_{1-4} alkoxy;

U represents phenyl or a 5 to 10-membered mono or bicyclic ring system in which one or more of the carbon atoms is optionally replaced by a heteroatom independently selected from N, O and $S(O)_m$, wherein m is 0,1 or 2, and wherein U is substituted by at least one independently selected R^6 group and U is optionally substituted by at least one independently selected R^4 group;

each R^4 is independently hydrogen, hydroxy, halogen, C_{1-4} alkyl, C_{1-4} alkoxy, C_{1-4} alkylamino, di-[C_{1-4} alkyl]amino, C_{1-4} alkylthio, C_{1-4} alkylsulphinyl, C_{1-4} alkylsulphonyl, C_{1-4} alkylcarbonyl, C_{1-4} alkylcarbamoyl, di-[C_{1-4} alkyl] carbamoyl, carbamyl, C_{1-4} alkoxycarbonyl, cyano, nitro or trifluoromethyl;

each R^6 is independently a group ZR^7 wherein Z is joined to R^7 through a $(CH_2)p$ group in which p is 0, 1 or 2 and Z represents a group $V(CH_2)$, $V(CF_2)$, $(CH_2)V$, $(CF_2)V$, V(CRR'), V(CHR) or V where R and R' are each C_{1-4} alkyl and in which V is a hydrocarbyl group containing 0,1 or 2 carbon atoms, carbonyl, dicarbonyl, CH(OH), CH(CN), sulphonamide, amide, O, $S(O)_m$ or NR^b where R^b is hydrogen or R^b is C_{1-4} alkyl; and R^7 is an optionally substituted C_{3-6} cycloalkyl; or an optionally substituted 5, 6, 7, 8, 9 or 10-membered carbocyclic or heterocyclic moiety;
or R^6 is a group ZR^7 in which Z is NR^b, and NR^b and R^7 together form an optionally substituted 5, 6, 7, 8, 9 or 10-membered carbocyclic or heterocyclic moiety.

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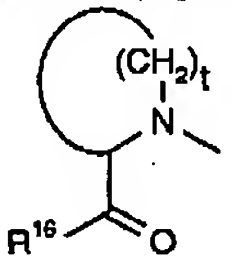
Please add the following new claims 11- 23.

--11. (New) A method as claimed in claim 1, wherein X is N.

12. (New) A method as claimed in claim 1, wherein Y is NR^b, $NR^b(CH_2)$, or $(CH_2)NR^b$, preferably Y is NR^b and R^b is preferably hydrogen or methyl.

13. (New) A method as claimed in claim 1, wherein R^1 is a 5- or 6-membered heterocyclic ring as defined in claim 1 substituted with an R^3 group selected from M^1-M^2-M^3-M^4, M^1-M^5 or M^1-M^2-M^3-M^6 as defined in claim 1 or claim 2; and p = 0.

14. (New) A method as claimed in claim 1, wherein M^1 represents CH_2, CO, CH_2CH_2 or CH_2CO; M^2 represents NR^{12} in which R^{12} is as defined in claim 1; M^3 represents CH_2, CH_2CH_2 or propyl; M^3 represents CH_2, ethyl, propyl, isopropyl or is absent; M^4 represents SOR^{13}, SO_2R^{13}, $NR^{12}SO_2R^{13}$, $SO_2NR^{14}R^{15}$, CO_2R^{13} or $CONR^{14}R^{15}$ in which R^{12} and R^{13} are defined in claim 1 and R^{14} and R^{15} each independently represent H or C_{1-4} alkyl; M^5 represents a group $NR^{14}R^{15}$ in which R^{14} and R^{15} together with the nitrogen atom to which they are attached represent a 6-membered ring optionally containing an additional heteroatom selected from N or O, in which ring any nitrogen atom present may optionally be substituted with a C_{1-4} alkyl group; or M^5 represents a group



in which t represents 2 or 3 and R^{16} represents OH, NH_2, $N(C_{1-4}$ alkyl$)_2$ or OC_{1-4} alkyl; more preferably R^{16} represents NH_2 or $N(CH_3)_2$; or M^5 represents a group $NR^{14}R^{15}$ in which R^{14} and R^{15} each independently represent hydrogen or C_{1-4} alkyl, more preferably hydrogen, methyl, ethyl or isopropyl; and M^6 represents a group $NR^{14}R^{15}$ in which R^{14} and R^{15} each independently represent C_{1-4} alkyl, more preferably methyl, or R^{14} and R^{15} together with the nitrogen atom to which they are attached represent a 5- or 6-membered ring optionally containing an additional heteroatom selected from N or O, in which ring any nitrogen atom present may optionally be substituted with a C_{1-4} alkyl group, preferably a methyl group; or M^6 represents a 5- or 6-membered heterocyclic ring system containing 1 or 2 heteroatoms selected from N or O.

15. (New) A method as claimed in claim 1, wherein M^2-M^3-M^4 represents a methylsulphonylethylamino, methylsulphinylethylamino, methylsulphonylethyl(methylamino), methylsulphinylethyl(methylamino), methylsulphonylpropylamino, methylsulphinylpropylamino, methylsulphonamidoethylamino, aminosulphonylethylamino, methylaminosulphonylethylamino, sarcosinamide, glycine, glycinamide, glycine methyl ester or acetylaminoethylamino group.

16. (New) A method as claimed in claim 1, wherein R^1 is selected from the group comprising furan, dihydrofuran, thiophene, imidazole, tetrazole, triazole, pyridine, pyrrole, pyrimidine, isoxazole or oxadiazole.

17. (New) A method as claimed in claim 1, wherein R^1 is selected from the group comprising furan, imidazole, oxadiazole (particularly 1,3,4-oxadiazole and 1,2,4-oxadiazole) and triazole (particularly 1,2,3-triazole and 1,3,4-triazole).

18. (New) A method as claimed in claim 1, wherein R^6 is benzyl, fluorobenzyl, difluorobenzyl, benzyloxy, fluorobenzyloxy, pyridylmethyl, phenyl, benzenesulphonyl, phenoxy or fluorophenoxy.

19. (New) A method as claimed in claim 1, wherein U represents an phenyl, indolyl, isoindolyl, indolinyl, isoindolinyl, 1H-indazolyl, 2,3-dihydro-1H-indazolyl, 1H-benzimidazolyl, 2,3-dihydro-1H-benzimidazolyl or 1H-benzotriazolyl group.

20. (New) A method as claimed in claim 1, wherein U represents a phenyl or 1H-indazolyl group.

21. (New) A method as claimed in claim 1, wherein the optional substituents for the carbocyclic or heterocyclic moiety and also for other optionally substituted groups include hydroxy, halogen, trifluoromethyl, trifluoromethoxy, nitro, amino, cyano, C_{1-4} alkoxy, C_{1-4} alkylthio, C_{1-4} alkyl carbonyl, carboxylate and C_{1-4} alkoxy carboxyl.

22. (New) A method as claimed in claim 1, wherein X represents N; Y represents NR^a, wherein R^a is hydrogen or C_{1-4} alkyl; R^1 represents furan, thiophene, pyrrole, pyridine, pyrimidine, pyrazine, imidazole, oxazole, isoxazole, oxadiazole, tetrazole, triazole, dioxolane or a partially or fully hydrogenated derivative of any of these groups, optionally substituted by one or more R^3 groups selected from halo, trifluoromethyl, C_{1-4} alkyl, carboxy, C_{1-4}-alkoxycarbonyl, formyl, hydroxy-C_{1-4} alkyl, 1,3-dioxolan-2-yl, amino, C_{1-4} alkylamino, di(C_{1-4} alkyl)amino, hydroxy-C_{1-4}alkanoyl-(C_{1-4}alkyl)-amino, C_{1-4} alkylamino-C_{1-4} alkyl or di(C_{1-4} alkyl)amino-C_{1-4} alkyl; p is 0; R^2 represents hydrogen; R^4 represents hydrogen, halo or methyl; U represents phenyl, indolyl, benzimidazolyl or indazolyl, more preferably phenyl or indazolyl; and R^6 represents phenyl, benzyl, α-methylbenzyl, fluorobenzyl, difluorobenzyl, pyridylmethyl, benzenesulphonyl, phenoxy, fluorophenoxy, benzyloxy or fluorobenzyloxy.

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23. (New) A method as claimed in claim 1, wherein X represents N; Y represents NR^a, wherein R^a is hydrogen or C_{1-4} alkyl; R^1 represents a furan, dihydrofuran, thiophene, pyridine, pyrrole, pyrimidine, isoxazole, triazole, tetrazole, imidazole or oxadiazole ring, preferably furan, imidazole, oxadiazole and triazole, substituted with an R^3 group selected from C_{1-4}alkyl, C_{1-4}alkylamino-C_{1-4}alkyl, di(C_{1-4}alkyl)amino-C_{1-4} alkyl, formyl, carboxy, C_{1-4}alkoxycarbonyl, dioxolanyl, trifluoromethyl, methylsulphonylethylaminomethyl, methylsulphonylethylamino-carbonyl, methylsulphonylethyl(methylamino)-methyl, methylsulphonamidoethylamino-methyl, aminosulphonylethylamino-methyl, methylaminosulphonylethylamino-methyl, N,N-dimethylaminoprop-2-ylaminomethyl, N-(2-dimethylaminoethyl)-N-ethylaminomethyl, pyridylaminomethyl, tetrahydrofuranomethylaminomethyl, piperazinylmethyl, methylpiperazinylmethyl, piperidinylmethyl, pyridylmethyl, N-(prolinamido)methyl or (N,N-dimethyl-prolinamido)methyl; p is 0; R^2 represents hydrogen; R^4 represents hydrogen or halo; U represents phenyl or indazolyl; and R^6 represents benzyl, fluorobenzyl, difluorobenzyl, pyridylmethyl, benzenesulphonyl, phenoxy, benzyloxy or fluorobenzyloxy.---